

## **Visualizing and Predicting Heart Diseases with an Interactive Dashboard**

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Team ID	PNT2022TMID19891
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dashboard

### **Average Age For Different Chest Pain Types in Existing Heart disease**

#### **Different Kinds of Chest Pain and What Causes It:**

Most people find it alarming to experience a sudden chest ache. Many people may likely immediately think of heart attacks when asked what they think of when they experience chest pain. While a heart attack may be the source of your chest pain, there are numerous other causes that have nothing to do with your heart.

## **Don't Ignore It!**

You should never disregard chest pain, and you should always consult a doctor to rule out any cardiac or life-threatening reasons for the pain. Chest pain might also result from issues with your lungs, muscles, ribs, gastrointestinal system, or nerves. Some of these are fatal, while others are just unpleasant but harmless. Different symptoms are caused by various causes of chest discomfort.

## **Types of Pain:**

Depending on the reason, your pain may be acute, dull, scorching, stabbing, tight, or aching. It is essential that you attempt to describe your pain while discussing with your doctor so they can determine the source. Let's examine a few distinct kinds of chest pain and the organs that are affected. We will go over each category's signs, origins, remedies, and preventative measures. As always, this is only meant to be a guide and should not be used as a replacement for consulting a doctor.

Data Visualization for Average Age For Different Chest Pain Types in Existing Heart disease using cross tables

IBM Cognos Analytics with Watson \* Heart Disease Prediction\_01

Analytics Filters Fields Properties

Selected sources / Heart\_Disease\_Prediction.csv

Heart\_Disease...ediction.csv

- Age
- Sex
- Chest pain type
- BP
- Cholesterol
- FBS over 120
- EKG results
- Max HR
- Exercise angina
- ST depression
- Slope of ST
- Number of vessels fluro
- Thallium
- Heart Disease

Tab 1 Tab 2 Tab 3 Tab 4 +

Average Age for Different Chest Pain types

Age	0	1	2	3	4	Summary	1
Absence	63.25	51	54.97	55	54.58		
Presence	(no value)	58	62	59.28	59.35		
Summary	63.25	51.44	55.19	57.2	55.68		

Columns

- Sex
- Chest pain type

Rows

- Heart Disease

# Values\* Required field

- Age

Local filters

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Tab 1 Tab 2 Tab 3 Tab 4 +

Average Age for Different Chest Pain types(Count)

Heart Disease	1	2	3	4	Summary
0	4	16	32	35	87
1	16	26	47	94	183
Summary	20	42	79	129	270

Columns

- Chest pain type

Rows

- Sex

# Values\* Required field

- Heart Disease

Local filters

